

Lesson 1-1

Understanding Whole Numbers

Name: _____
Date: _____
Period: _____



Homework Video Tutor

Web Code: aqe-0101


Objective: We will be able to read, write and compare whole numbers through the hundred trillions.

New Vocabulary: Standard Form

Whole Number Groups																			
Trillions				Billions				Millions				Thousands				Units			
Hundred trillions	Ten trillions	Trillions	Comma	Hundred billions	Ten billions	Billions	Comma	Hundred millions	Ten millions	Millions	Comma	Hundred thousands	Ten thousands	Thousands	Comma	Hundreds	Tens		
		1	,	6	0	5	,	7	4	3	,	8	9	1	,	4	1		
																2			
																	Decimal Point		

Writing Whole Numbers

Example 1: In *standard form*, the number of meters light travels in one second is 299,792,458. Write this number in words. (Hint: take it one *period* at a time).

 **Quick Check:** Write the value of \$26,236,848,080 in words.

Comparing Whole Numbers

Comparison Symbols: < _____ and > _____

Example 2: Use < or > to complete: 995 ____ 998 by comparing place value from left to right.

Ordering Whole Numbers

Example 3: Write in order from least to greatest: 12,875 ; 12,675 and 12,695



Quick Check: Write in order from least to greatest: 9,897 ; 9,987 and 978

Homework Exercises

Show Your Work!	Corrections/Comments/Explanations
(1) Write 9,871,060,540 in words	
(2) Compare using < or > a) 54,001 _____ 54,901 b) 29,286 _____ 29,826 c) 31,010 _____ 30,101	

(3) Write the numbers in order from least to greatest:

a) 910 ; 990 and 901

b) 17,444 ; 17,671 and 17,414

(4) Guided Problem Solving (GPS): The average distance between the Earth and the sun is one hundred forty-nine million, four hundred seventy-six thousand kilometers. Write the distance in *standard form*. Use a place value chart.

(5) Explain how you know that $471 < 417$

(6) Challenge The sum of the digits of a two-digit number is 12. The tens digit is three times the ones digit. What is the number?

